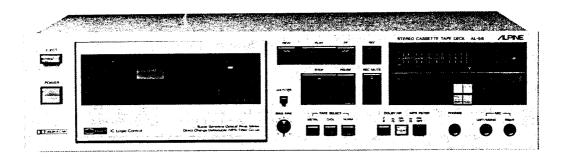
SERVICE MANUAL /LPINE







Contents
Specifications
Parts Locations and Disassembly Instructions
Adjustment Procedures
Adjustment Locations
Trouble Shooting Guide
Replacement of Mechanical Parts
Block Diagram
Parts Layout on P.C. Boards
Wiring Diagram
Schematic Diagram
Electrical Parts List
Cabinet Assembly Parts List
Exploded View (Cabinet)
Exploded View (Cassette Deck)
Cassette Deck Assembly Parts List
Packing Method View
Packing Assembly Parts List
Semi-Conductor Lead Identifications
Specifications

Power Source
Power Consumption
Tape Speed
Wow & Flutter (JIS WRMS Playback Mode)
FF/REW Time (C-60)
Frequency Response Normal: 30 Hz \sim 16 KHz, CrO_2 : 30 Hz \sim 17 KHz, Metal: 30 Hz \sim 18 KHz
Rec/Play Head
Erase Head Double Gaps Ferrite Core
Load Impedance Line Out: 100K ohm, Head Phone: 8 oh m
S/N Ratio (NR/OFF)
NR-C: Norm: 63 dB, Chrome/Metal: 65 dB
Input Sensitivity Mic: Norm/0.3m V
Line: Chrome/Metal/100m V
Output Level Line Out: 550mV ±1 dB, Head Phone: 65m V
Stereo Separation
Semiconductors
Dimensions
Weight,
Distortion

Parts Locations and Disassembly Instructions

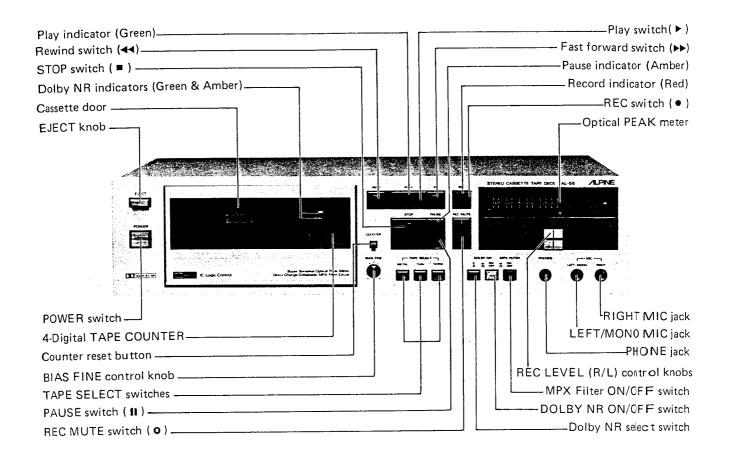


Figure 1

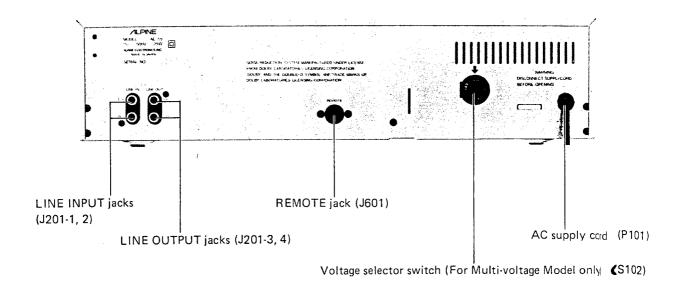


Figure 2

1. Removal of Top Cover

- (1) Remove four screws marked "○" as shown in Figures 3 and 4.
- (2) Lift up the top cover in the direction of the arrow as shown in Figure 3.

2. Removal of Front Panel

- (1) After removal of top cover, remove two connectors as shown in Figure 5.
- (2) Remove one screw marked " * " as shown in Figure 5.
- (3) Remove six screws marked " \triangle " as shown in Figures 5 and 6.
- (4) Remove the front panel from the main chassis in the direction of the arrow as shown in Figure 3.

3. Removal of Optical Meter with Lamp P.C. Board

- (1) After removal of the top cover and front panel, remove three screws marked " " as shown in Figure 5.
- (2) Remove the meter frame and scale meter as shown in Figure 7.
- (3) Pull out the optical meter as shown in Figure 5.
- (4) Disconnect all wires from the optical meter and Lamp P.C. Board.
- (5) Remove the optical meter with Lamp P.C. Board.

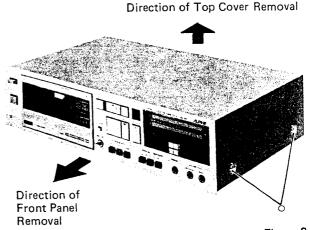
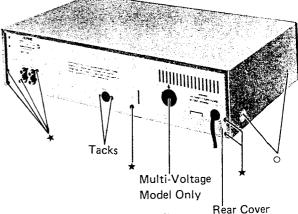


Figure 3



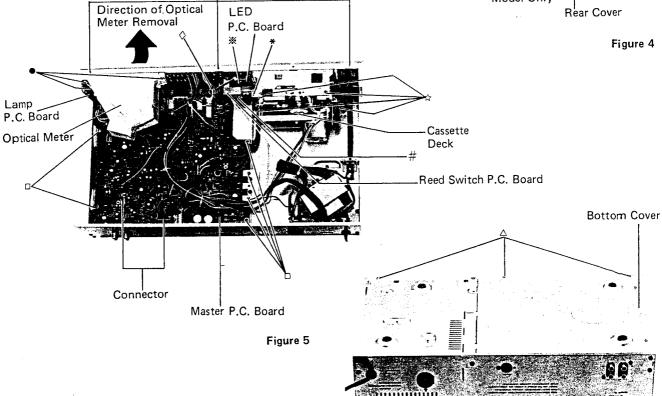


Figure 6

4. Removal of Rear Cover

- (1) After removal of the top cover, remove seven screws marked "*" as shown in Figure 4.
- (2) Remove two tacks as shown in Figure 4.
- (3) Remove the rear cover.

5. Removal of Master P.C. Board

- (1) After removal of top cover and front panel, remove six screws marked "□" from the master P.C. Board as shown in Figure 5.
- (2) Remove three jack stopper from the mic jack and phones jack as shown in Figure 7.
- (3) Remove three screws marked "◊" as shown in Figures 5 and 7.
- (4) Remove bias fine knob as shown in Figure 7.
- (5) Disconnect all wires from the master P.C. Board.
- (6) The P.C. Board can be completely removed from the chassis.

6. Removal of REC. VR.

- (1) Remove four screws marked " ♦ " as shown in Figure 7.
- (2) Remove two knobs from the REC. VR. as shown in Figure 7.
- (3) Disconnect all wires from the REC. VR.

7. Removal of Key Board P.C. Board

- (1) Remove four screws marked "▲" from the key board P.C. Board as shown in Figure 8.
- (2) Disconnect all wires from the key board P.C. Board.

8. Removal of reed Switch P.C.Board

- (1) Remove one screw marked "#" as shown in Figure 5.
- (2) Disconnect all wires from the Reed Switch P.C. Bpard.

9. Removal of L.E.D. P.C. Board

- (1) Remove one screw marked "* as shown in Fig-
- (2) Disconnect all wires from the L.E.D. P.C. Board

10. Removal of Cassette Deck

- (1) Lift up the cassette door in the direction of the arrow as shown in Figure 7.
- (2) Remove four screws marked " & " from the cassette deck as shown in Figure 5.
- (3) Disconnect all wires from the cassette deck.
- (4) The cassette deck can be completely removed from the chassis.

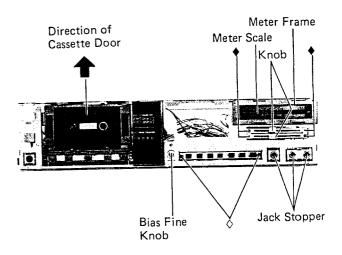


Figure 7

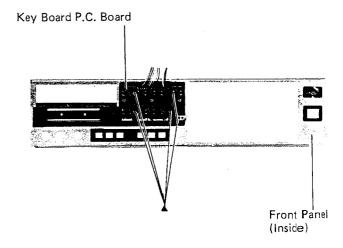


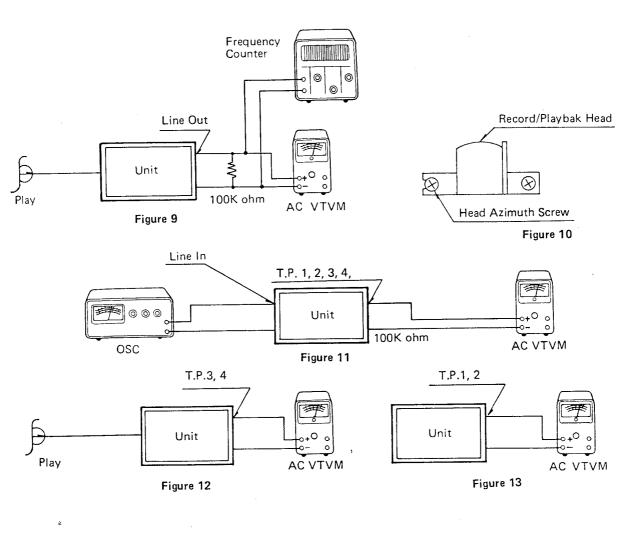
Figure 8

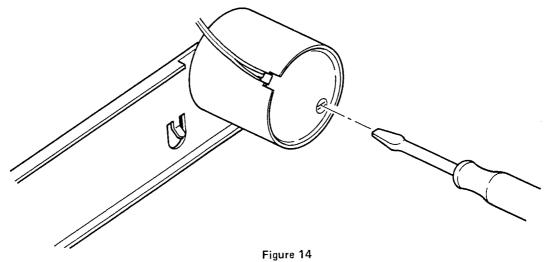
Adjustment Procedures

STEP	DESCRIPTION		MODE (SWITCH)	ADJUST POINTS	TEST POINTS	CONNECTION INSTRUCTION	R	EMARKS
1	Head Azimuth Adjustment		Play Tape: Nor NR: Off	Head Azimuth Screw (Figure 10)	Line Out	Figure 9	Test Tape: N	
2	Tape Speed Adjustment		Play Tape: Nor NR:Off	Round hole on the rear of the motor (Figure 14)	Line Out	Figure 9	Test Tape: M Adjust for 30	
3	Playback Level Adjustment		Play Tape: Nor NR: Off	VR201 VR202	T.P.3 T.P.4	Figure 12	Test Tape: M Test Point Ou	TT-150 utput: 580 mV
	Input Adjustment		Record Tape: Nor NR: Off	VR203	T.P.3 T.P.4	Figure 11		-00 Hz, 300mV utput: 580mV
4	Level Meter Adjustment		Record Tape: Nor NR: Off	VR401 VR402	Level Meter Reading	Figure 11	Line Input: 4 Adjust for 0 (00 Hz, 300mV dB
5	Recording Current Adjustment		Record Tape: Metal NR: Off Bias: Off (See Note)	VR501 VR502	T.P.1 T.P.2	Figure 11	Conditions at Adjust for 7.9 See chart belo typical bias le Bias CrO ₂ NORM	5mV. ow for another
		1	Record Tape: Metal NR: Off	VR505 VR506	T.P.1 T.P.2	Figure 13	Input: Non Test Point Ou	ıtput: 75∼85mV
6	Recording Bias	2	Record Tape: CrO ₂ NR: Off	VR503 VR504	T.P.1 T.P.2	Figure 13	Input: Non Test Point Ou	itput: 35 ∼ 4 2mV
0	Adjustment	3	Record Tape: Nor NR: Off	VR508	T.P.1 T.P.2	Figure 13	Input: Non Test Point Ou	tput: 25 ~ 3 4mV

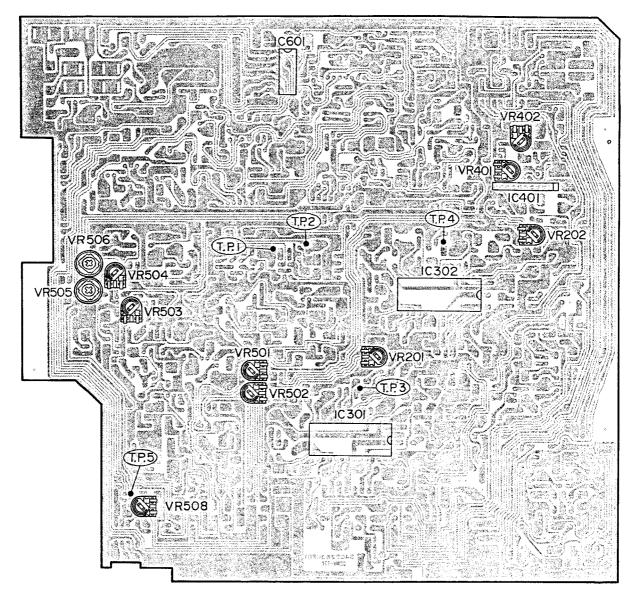
Note

Bias Off: T.P.5 to ground.





Adjustment Locations



Master Board P.C.Board

Trouble Shooting Guide

Symptom	Possible Cause	Remedies
No power.	 Defective power switch (S101). Disconnected Fuse (F101 ~ 103). (For multi-voltage model only). Defective DC supply block. Defective power connections. 	 Replace switch. Replace fuse. Check and repair DC power. Check and repair wiring.
Capstan shaft does not rotate.	Main belt out of place or its disconnection. Defective motor. Burning of flywheel shaft.	 Reinstall or replace main belt. Replace motor. Lubricate or replace flywheel shaft.
Head base does not go up.	Defective play solenoid (SD601). Defective control circuit. Deformation of spring plate.	 Replace play solenoid. Check and repair. Modify spring plate.
		Solenoid Arm Solenoid Arm Gear Spring Plate
	4. Deformation of assist base stopper.	4. Modify the angle of bending part of assist base stopper.
Mori 90°	e than 87° to 90°	Assist Base

Symptom	Possible Cause	Remedies
Cassette tape does not run. (No taking up operation).	 Sub belt out of place or its disconnection. Slippage of play idler. Defective take-up reel. 	 Reinstall or replace sub belt. Clean play idler. Replace take-up reel.
	Clutch Gear Play Idler	Take-up Reel
FF/REW does not function.	Defective FF (SD603)/REW (SD602) solenoids. Defective control circuit.	Replace them. Check and repair.
Excessive wow/flutter.	 Defective flywheel assembly. Defective motor. Defective drive belt. Defective pinch roller assembly. Slippage between tape and pinch roller. Swing of center clutch. Swing of back tension. 	 Replace flywheel assembly. Replace motor. Replace drive belt. Replace pinch roller assembly. Clean pinch roller. Replace center clutch. Modify back tension spring and apply grease on the spring plate. Apply grease here Spring plate Chassis
Playback does not function.	 Dirty recording/playback head. Defective recording/playback head. Disconnected wire between recording/playback head and playback amplifier. Defective playback level adjustment volumes (VR201, 202) or their slippage. Defective playback amplifier. 	 Clean head. Replace head. Check wiring and repair. Readjust or replace volumes. Repair or replace.

Symptom	Possible Cause	Remedies
	6. Defective Dolby circuit. 7. Defective muting circuit. 8. Defective contact of line-out jack of its defect.	6. Repair or replace.7. Repair or replace.8. Repair or replace.
Erasing does not function. (No signal input)	 Defective rec. inh. switch (S602). Removal of safety tabs of cassette tape. Dirty erase head. Defective erase head. Wire disconnection to erase head. Defective bias OSC. Defective bias OSC trans. 	 Replace switch. Fix tabs. Clean head. Replace head. Check wiring and repair. Check and repair. Replace trans.
D. and it and does not function	Defective contact of line-in	1. Repair or replace.
Recording does not function.	jack or its defect. 2. Defective contact of mic jack or its defect and defect of mic amplifier. 3. Defective rec volume (VR203). 4. Defective Dolby circuit. 5. Slippage of rec. current adjusting volumes (VR501, 502) or their defect. 6. Defective rec. amplifier. 7. Slippage of rec. bias adjusting volumes (VR503 m 508) or their defect. 8. Disconnected wire between recording/playback head and record amplifier. 9. Dirty recording/playback head. 10. Defective recording/playback head.	 Repair or replace. Replace volume. Repair or replace. Readjust or replace. Repair or replace. Repair or replace. Check wiring and repair. Clean head. Replace head.
Distorted Sound.	 Distortion of input signal. Level-over of input signal. Bias is too small or not flowing. Misposition of rec. bias adjusting volume (VR503 ~ 508). Large distortion of bias waveforms. Magnetization of recording/playback head. Dirty recording/playback head. 	 Check input signal. Lower input level. Adjust to suitable bias. Adjust to suitable bias. Check bias OSC. Demagnetize with head eraser. Clean head.

Replacement of Mechanical Parts

Removal of Cassette Deck

Prior to Replacement Procedures, remove the cassette deck assembly according to "Removal of Cassette Deck" on page 5.

Replacement of Head

- (1) Remove two screws marked "★" from the cassette door bracket of the cassette deck as shown in Figure 15 and the cassette door can be removed.
- (2) Remove two screws marked " O " and wires from both sides of the R/P head " A " as shown in Figure 16, and it can be removed, with head P.C. Board. Remove the head from the P.C. Board with a soldering iron.
 - Remove two screws marked " " and wires from both sides of the erase head " B " as shown in Figure 16, and it can be removed.
- (3) After finishing assembling, adjust head azimuth, height and tilt angle.
 - Apply screw-lock after adjustment.

Replacement of Belt and Flywheel

- (1) Remove a screw marked "□" and the motor bracket, and two belts can be removed as shown in Figure 17.
- (2) Remove one washer marked " \(\triangle \)" as shown in Figure 19 and the flywheel can be removed.
- (3) After replacing the belt and flywheel, clean them with absolute alcohol.
- (4) After finishing assembling, confirm tape speed and wow/flutter with test tape (MTT-111).

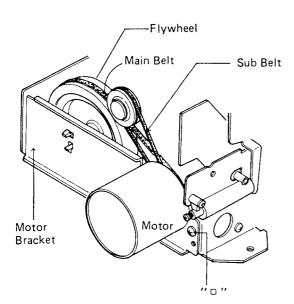


Figure 17

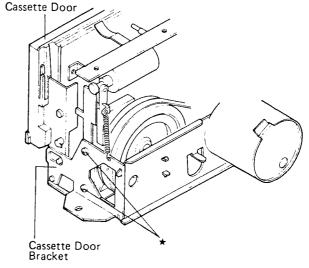
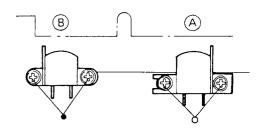


Figure 15



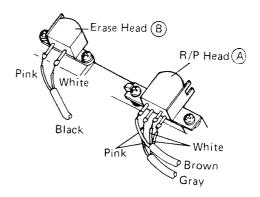


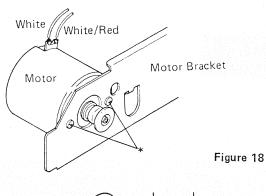
Figure 16

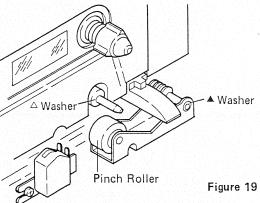
Replacement of Motor

- (1) Remove a screw marked "□" as shown in Figure 17 and two screws marked "*" and two wires (white, white/red) from motor side as shown in Figure 18, and the motor can be removed.
- (2) After finishing assembling, confirm tape speed and wow/flutter with test tape (MTT-111).

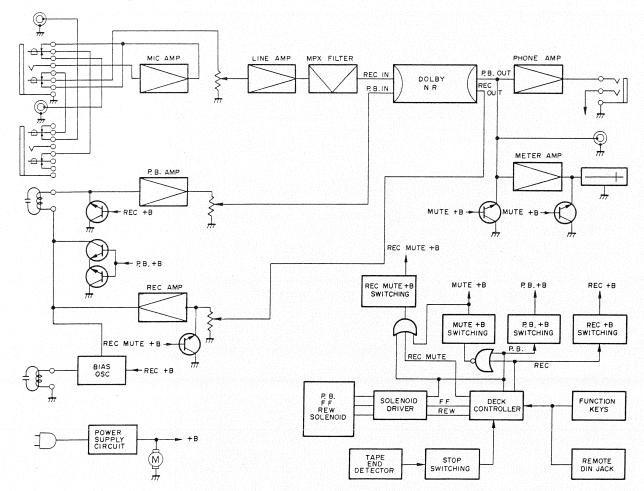
Replacement of Pinch Roller

- (1) Remove a washer marked "▲" to take off pinch roller assembly from the cassette deck as shown in Figure 19.
- (2) After replacing the pinch roller, clean it with absolute alcohol.
- (3) After finishing assembling, confirm tape speed and wow/flutter with test tape (MTT-111).



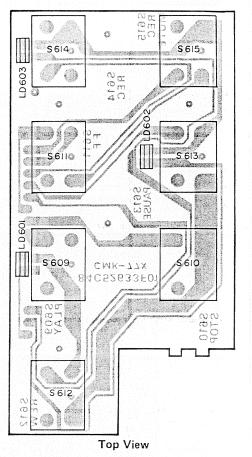


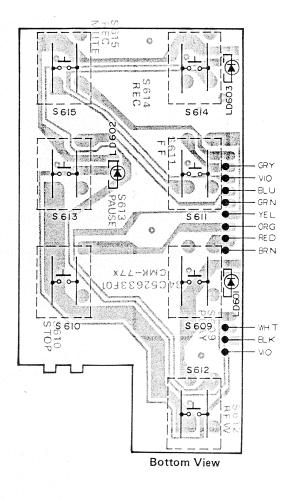
Block Diagram



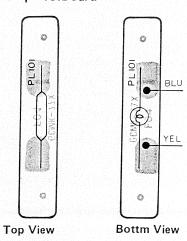
Parts Layout on P.C. Boards

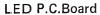
Keyboard Switch P.C.Board

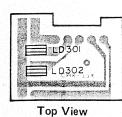


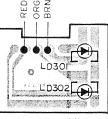


Lamp P.C.Board



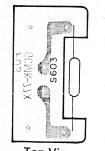


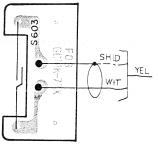




Bottom View

Reed Switch P.C.Board

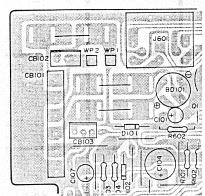




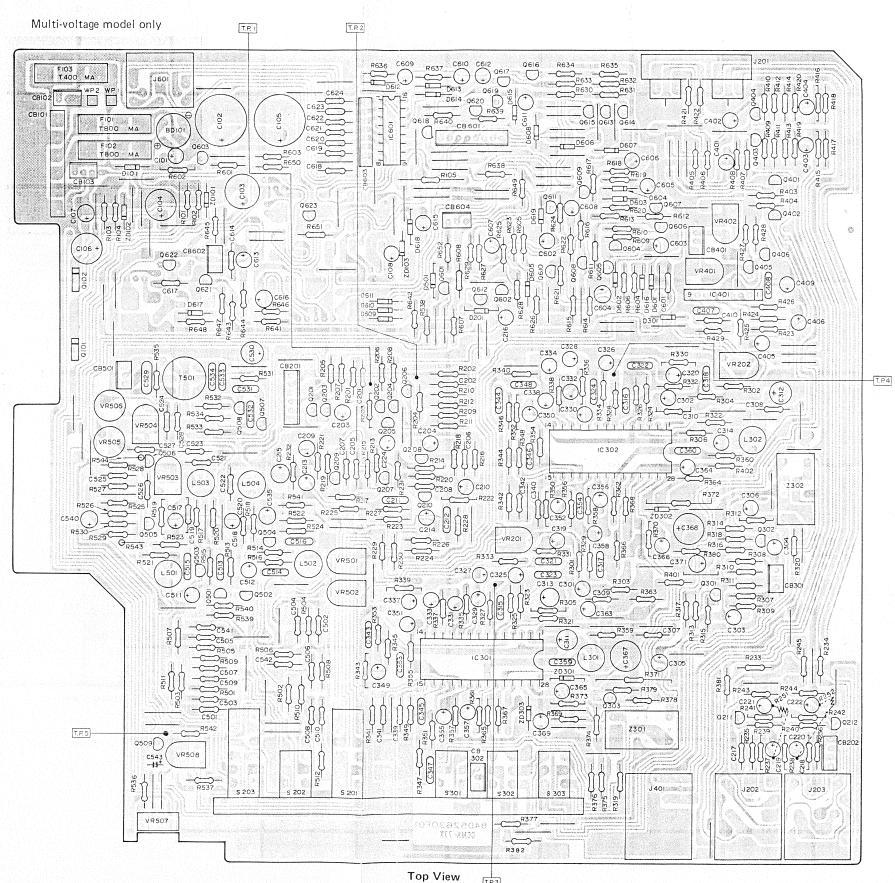
Top View

Bottom View

Master P.C. Board

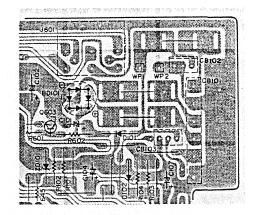


Single voltage model only



R382

Single voltage model only



Q20~204, Q602 Q207, 208

 E
 C
 B

 18.0 V
 18.0 V
 17.2 V

 E
 C
 B

 18.0 V
 19.0 V
 18.8 V

Q403,404

0608

Q613~619

Q620~622 E C B O V O V

VR508

- VR507 | YY

T.P.5

R537

E C B

E C B

E C B
0,01V 1.2 V 0.2 V

Q507,508

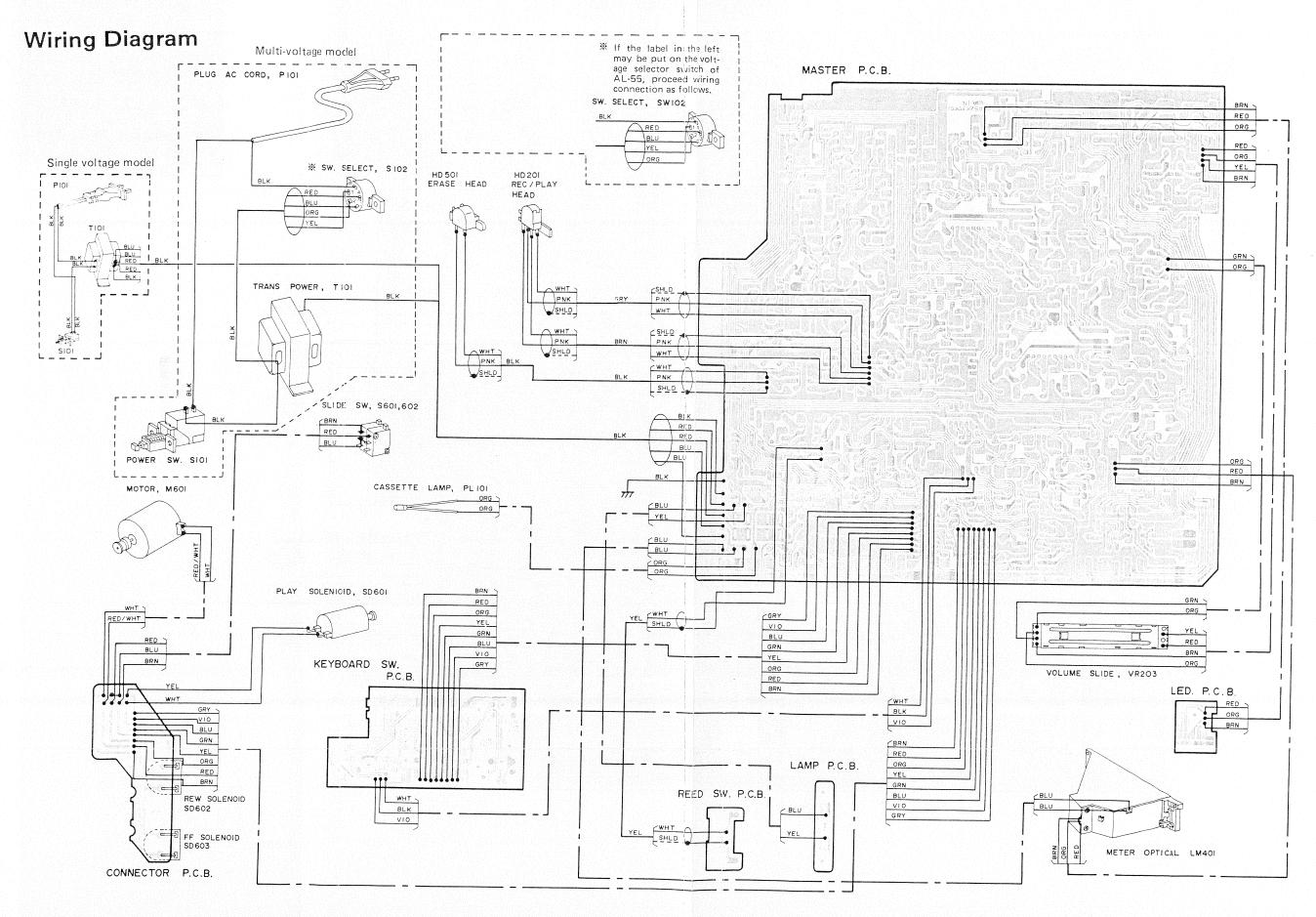
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1 P

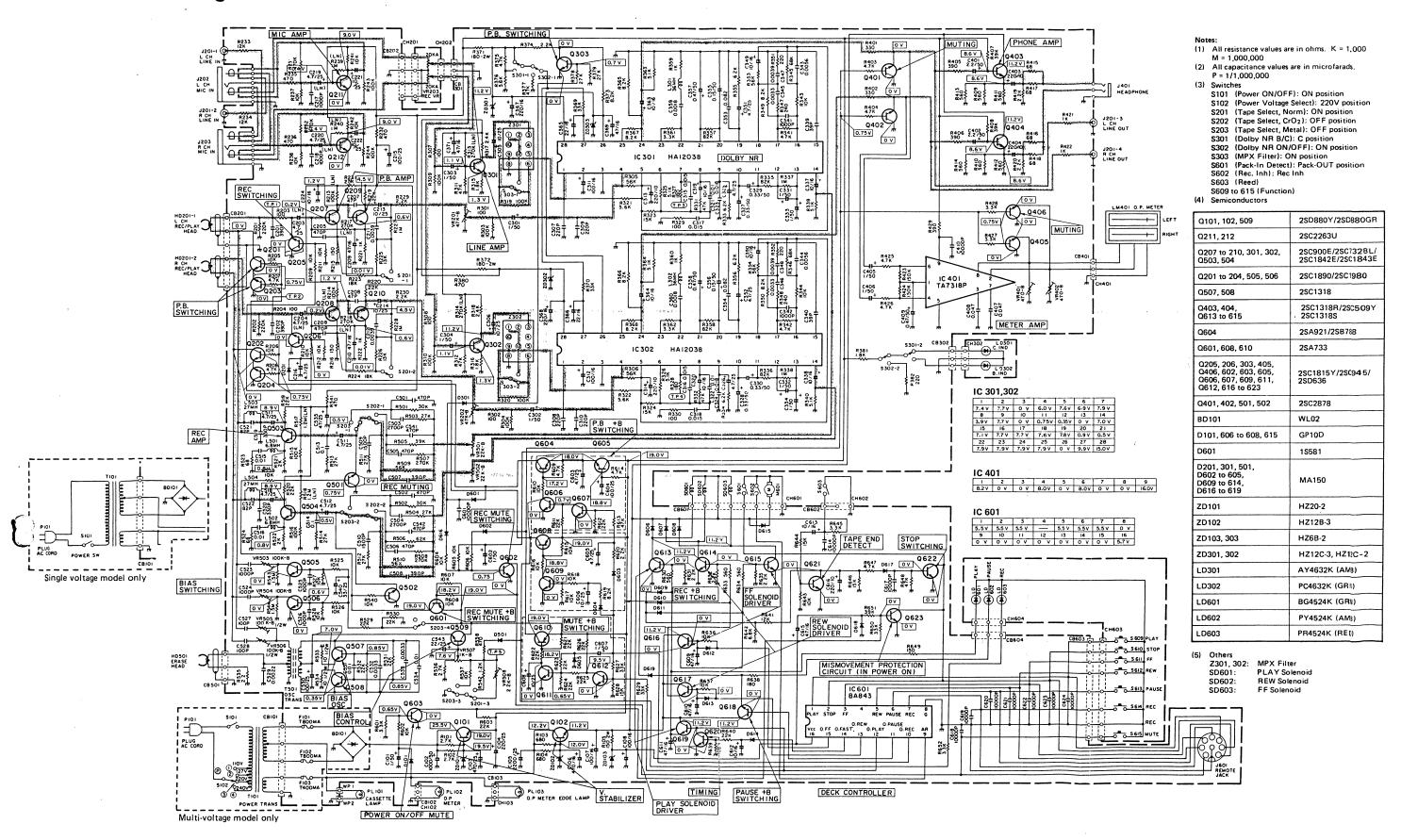
18

Bottom View





Schematic Diagram



Electrical Parts List

Resistors (All resistors are carbon film, $\frac{1}{4}$ W, $\pm 5\%$ unless otherwise noted.) uF = microfarads, pF = picofarads

Symbol No.	Part No.	Description			
Master P.C. Board Assembly					
IC's	na n				
IC301	51T52160F01	HA12038-01			
IC302	51T52160F01	HA12038-01			
IC401	51T41803U01	TA7318AP-2			
IC601	51S47110F01	BA843			
Trans	istors				
Q101	48T42620F02	2SD880-Y			
or	48T42620F03	2SD880-GR			
Q102	48T42620F02	2SD880-Y			
or	48T42620F03	2SD880-GR			
Q201	48S41196U03	2SC1980-T			
or	48S43394P01	2SC1890-E.F			
0202	41S41196U03	2SC1980-T			
or	48S43394P01	2SC1890-E.F			
Q203	48S41196U03	2SC1980-T			
or	48S43394P01	2SC1890-E.F			
Q204	48S41196U03	2SC1980-T			
or	48S43394P01	2SC1890-E.F			
Q205	48S43525F02	2SC1815-Y			
or	48S44578J01	2SC945L-P			
or	48S40627U01	2SD636-Q			
0206	48S43525F02	2SC1815-Y			
or	48S44578J01	2SC945L-P			
or	48S40627U01	2SD636-Q			
0207	48S40246G01	2SC732-BL			
or	48S40149P01	2SC900-E			
or	48S47708F04	2SC1842-E			
or	48S47706F04	2SC1843-E			
0208	48S40246G01	2SC732-BL			
or	48S40149P01	2SC900-E			
or	48S47708F04	2SC1842-E			
or	48S47706F04	2SC1843-E			
0209	48S40246G01	2SC732-BL			
or	48S40149P01	2SC900-E			
or	48S47708F04	2SC1842-E			
or	48S47706F04	2SC1843-E			

Symbol No.	Part No.	Description
Q210	48S40246G01	2SC732-BL
or	48S40149P01	2SC900-E
or	48S47708F04	2SC1842-E
or	48S47706F04	2SC1843-E
Q211	48T41195U04	2SC2263-U
Q212	48T41195U04	2SC2263-U
Q301	48S40246G01	2SC732-BL
or	48S40149P01	2SC900-E
or	48S47708F04	2SC1842-E
or	48S47706F04	2SC1843-E
Q302	48S40246G01	2SC732-BL
or	48S40149P01	2SC900-E
or	48S47708F04	2SC1842-E
	48S47706F04	
or	48547706F04 48S43525F02	2SC1843-E
Q303		2SC1815-Y
or	48S44578J01	2SC945L-P
or	48S40627U01	2SD636-Q
Q401	48T51878F01	2SC2878-A.B
Q402	48T51878F01	2SC2878-A.B
Q403	48S40832F04	2SC1318NC-S
or	48S40832F03	2SC1318NC-R
or	48S43239G02	2SC509-Y
Q404	48S40832F04	2SC1318NC-S
or	48S40832F03	2SC1318NC-R
or	48S43239G02	2SC509-Y
Q405	48S43525F02	2SC1815-Y
or	48S44578J01	2SC945L-P
or	48S40627U01	2SD636-Q
Q406	48S43525F02	2SC1815-Y
or	48S44578J01	2SC945L-P
or	48S40627U01	2SD636-Q
Q501	48T51878F01	2SC2878-A.B
Q502	48T51878F01	2SC2878-A.B
Q503	48S40246G01	2SC732-BL
or	48S40149P01	2SC900-E
or	48S47708F04	2SC1842-E
or	48S47706F04	2SC1843-E
Q504	48S40246G01	2SC732-BL
or 0504	48S40149P01	2SC900-E
or	48S47708F04	2SC1842-E
or	48S47706F04	2SC1843-E
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Symbol No.	Part No.	Description
Q505	48S41196U03	2SC1980-T
or	48S43394P01	2SC1890-E.F
Q506	48S41196U03	2SC1980-T
or	48S43394P01	2SC1890-E.F
Q507	48S40832F03	2SC1318NC-R
Q508	48S40832F03	2SC1318NC-R
Q509	48T42620F02	2SD880-Y
or	48T42620F03	2SD880-GR
Q601	48T40081T03	2SA733-P
0000	40042505500	2001015 V
Q602	48S43525F02	2SC1815-Y
or	48S44578J01 48S40627U01	2SC945L-P 2SD636-Q
or Q603	48S43525F02	2SC1815-Y
or	48S44578J01	2SC945L-P
or	48S40627U01	2SD636-Q
	.55 (552) 55 (
Q604	48T44763F01	2SB788-S
or	48T44763F02	2SB788-T
or	48T42941U01	2SA921-S
or	48T42941U02	2SA921-T
Q605	48S43525F02	2SC1815-Y
or	48S44578J01	2SC945L-P
or	48S40627U01	2SD636-Q
Q606	48S43525F02	2SC1815-Y
or	48S44578J01	2SC945L-P
or	48S40627U01	2SD636-Q
Q607	48S43525F02	2SC1815-Y
or	48S44578J01	2SC945L-P
or	48S40627U01	2SD636-Q
		0047000
Q608	48T40081T03	2SA733-P
Q609	48S43525F02	2SC1815-Y
or	48S44578J01	2SC945L-P
Of Q610	48S40627U01 48T40081T03	2SD636-Q 2SA733-P
4610	40140001103	20A/30-r
Q611	48S43525F02	2SC1815-Y
or	48S44578J01	2SC945L-P
or	48S40627U01	2SD636-Q
Q612	48S43525F02	2SC1815-Y
or	48S44578J01	2SC945L-P
or	48S40627U01	2SD636-Q
0010	40040022504	25C1310NC 5
Q613	48S40832F04 48S40832F03	2SC1318NC-S 2SC1318NC-R
or or	48S40832F03 48S43239G02	2SC509-Y
Q614	48S40832F04	2SC1318NC-S
or	48S40832F03	2SC1318NC-R
or	48S43239G02	2SC509-Y

	Symbol No.	Part No.	Description
	Q615	48S40832F04	2SC1318NC-S
- 1	or	48S40832F03	2SC1318NC-R
- 1 ,	or	48S43239G02	2SC509-Y
- 1	Q616	48S43525F02	2SC1815-Y
- 1	or	48S44578J01	2SC945L-P
- 1	or	48S40627U01	2SD636-Q
1			
- 1	Q617	48S43525F02	2SC1815-Y
- 1	or	48S44578J01	2SC945L-P
- -	or	48S40627U01	2SD636-Q
- 1	Q618	48S43525F02	2SC1815-Y
- 1	or	48S44578J01	2SC945L-P
- 1	or	48S40627U01	2SD636-Q
1			
	Q619	48S43525F02	2SC1815-Y
1	or	48S44578J01	2SC945L-P
- 1 '	or	48S40627U01	2SD636-Q
- ['	Q620	48S43525F02	2SC1815-Y
1	or	48S44578J01	2SC945L-P
1	or	48S40627U01	2SD636-Q
1.	0001	40043535503	25C181E V
- 1	Q621	48S43525F02 48S44578J01	2SC1815-Y 2SC945L-P
- 1	or	48S40627U01	2SD636-Q
- 1	or Q622	48S43525F02	2SC1815-Y
-	or	48S44578J01	2SC945L-P
1	or	48S40627U01	2SD636-Q
1	01	10010027001	200000 4
1	Q623	48S43525F02	2SC1815-Y
	or	48S44578J01	2SC945L-P
1.	or	48S40627U01	2SD636-Q
	Diode	s	
-	D101	48T55186F01	GP10D
	D201	48T51582F01	MA-150
-	or	48T51881F01	DS442-BT
1 .	D301	48T51582F01	MA-150
ı	or .	48T51881F01	DS442-BT
1			
1	D501	48T51582F01	MA-150
0	or	48T51881F01	DS442-BT
1	D601	48T53429F01	1SS81
[D602	48T51582F01	MA-150
1	or	48T51881F01	DS442-BT
1.			
1	D603	48T51582F01	MA-150
	or	48T51881F01	DS442-BT
1	D604	48T51582F01	MA-150
#	or Dear	48T51881F01	DS442-BT
ı	D605	48T51582F01	MA-150
L	or	48T51881F01	DS442-BT

Symbol		
No.	Part No.	Description
D606	48T55186F01	GP10D
D607	48T55186F01	GP10D
D608	48T55186F01	GP10D
D609	48T51582F01	MA-150
or	48T51881F01	DS442-BT
D610	48T51582F01	MA-150
or	48T51881F01	DS442-BT
D611	48T51582F01	MA-150 DS442-BT
or DC10	48T51881F01 48T51582F01	MA-150
D612 or	48T51881F01	DS442-BT
		450
D613	48T51582F01	MA-150
or	48T51881F01 48T51582F01	DS442-BT MA-150
D614	48151582F01 48T51881F01	DS442-BT
or D615	48T55186F01	GP10D
	10751777	MA 150
D616	48T51582F01	MA-150 DS442-BT
or D617	48T51881F01 48T51582F01	MA-150
or	48T51881F01	DS442-BT
D618	48T51582F01	MA-150
or	48T51881F01	DS442-BT
D619	48T51582F01	MA-150
or	48T51881F01	DS442-BT
ZD101	48T52739F86	Zener HZ20-2
ZD102	48T52739F75	Zener HZ12B-3
ZD103	48T52739F38	Zener HZ6B-2
ZD301	48T52740F08	Zener HZ12C-2
or	48T52740F09	Zener HZ12C-3
ZD302	48T52740F08	Zener HZ12C-2
or	48T52740F09	Zener HZ12C-3
ZD303	48T52739F38	Zener HZ6B-2 Bridge WL-02
BD101	48T50629F01	Bridge WE-02
	!	
Fuer	s & Filter	
• F101	65T42077U15	Fuse, 800 mA
• F102	65T42077U15	Fuse, 800 mA
• F103	65T42077U12	Fuse, 400 mA
Z301	51T42537U01	Filter, MPX LP-V20
Z302	51T42537U01	Filter, MPX LP-V20

Symbol No.	Part No.	Description			
Capacitors					
C101 C102 C103 C104 C105	23S40657F28 23S41198U67 23S41198U57 23S41198U42 23S41198U72	Electrolytic $1 \mu F/50V$ Electrolytic $1000 \mu F/50V$ Electrolytic $470 \mu F/25V$ Electrolytic $220 \mu F/25V$ Electrolytic $2200 \mu F/25V$			
C106 C107 C108 C201 C202	23S41198U56 23S40657F14 23S40657F14 8S44505P44 8S44505P44	Electrolytic $470 \mu F/16V$ Electrolytic $100 \mu F/16V$ Electrolytic $100 \mu F/16V$ Ceramic $390 pF$ Ceramic $390 pF$			
C203 C204 C205 C206 C207	23T42478F09 23T42478F09 8S44505P45 8S44505P45 8S44505P29	Electrolytic $4.7 \mu F/25 V$ Electrolytic $4.7 \mu F/25 V$ Ceramic $470 \mu F$ Ceramic $470 \mu F$ Ceramic $470 \mu F$ Ceramic $47 \mu F$			
C208 C209 C210 C211 C212	8S44505P29 23S40657F13 23S40657F13 8S40656F08 8S40656F08	Ceramic 47 pF Electrolytic 47 μ F/16V Electrolytic 47 μ F/16V Mylar 0.0039 μ F Mylar 0.0039 μ F			
C213 C214 C215 C216 C217	23S40657F17 23S40657F17 23S40657F21 23S40657F16 8S44505P49	Electrolytic $10 \mu F/25V$ Electrolytic $10 \mu F/25V$ Electrolytic $100 \mu F/25V$ Electrolytic $4.7 \mu F/25V$ Ceramic $1000 pF$			
C218 C219 C220 C221 C222	8S44505P49 23T42478F09 23T42478F09 23S40657F17 23S40657F17	Ceramic 1000 pF Electrolytic 4.7 μ F/25V Electrolytic 4.7 μ F/25V Electrolytic 10 μ F/25V Electrolytic 10 μ F/25V			
C224 C301 C302 C303	23S40657F10 23S40657F28 23S40657F28 23S40657F28	Electrolytic 10 μ F/16V Electrolytic 1 μ F/50V Electrolytic 1 μ F/50V Electrolytic 1 μ F/50V			
C304 C305 C306 C307 C308	23S40657F28 23S40657F17 23S40657F17 8S44505P41 8S44505P41	Electrolytic 1 μ F/50V Electrolytic 10 μ F/25V Electrolytic 10 μ F/25V Ceramic 220 pF Ceramic 220 pF			

^{•:} For multi-voltage model only

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
C309	8\$44505P41	Ceramic 220 pF	C356	23T42478F19	Electrolytic 0.15 μF/50V
C310	8S44505P41	Ceramic 220 pF	C357	23S40657F27	Electrolytic 0.47 µF/50V
C311	23S40657F14	Electrolytic 100 μF/16V	C358	23S40657F27	Electrolytic 0.47 μF/50V
C312	23S40657F14	Electrolytic 100 μF/16V	C359	8S40656F04	•
C312	23S40657F09	Electrolytic 220 µF/10V	C360	8S40656F04	•
0010	200 .000	2.000.017.10 220 μ17.10 ν	0300	0340030104	Mylar 0.0018 μF
C314	23S40657F09	Electrolytic 220 µF/10V	C363	23S40657F10	Electrolytic 10 μF/16V
C315	8S40656F15	Mylar 0.015 μF	C364	23S40657F10	Electrolytic 10 μF/16V
C316	8S40656F15	Mylar 0.015 μF	C365	23S40657F11	Electrolytic 22 μF/16V
C317	8S40656F15	Mylar 0.015 μF	C366	23S40657F11	Electrolytic 22 μF/16V
C318	8S40656F15	Mylar 0.015 μF	C367	23S40657F52	Electrolytic 220 uF/16V
C319	23S40657F10	Electrolytic 10 μF/16V	C368	23S40657F52	Electrolytic 220 uF/16V
C320	23S40657F10	Electrolytic 10 μF/16V	C369	23S40657F13	Electrolytic 47 uF/16V
C321	8S40656F13	Mylar 0.01 μF	C371	23S40657F13	Electrolytic 47 uF/16V
C322	8S40656F13	Mylar 0.01 μF	C401	23S40657F29	Electrolytic 2.2 µF/50V
C323	8S40656F16	Mylar 0.018 μF			, - = = , , - = -
		1	C402	23S40657F29	Electrolytic 2.2 μF/50V
C324	8S40656F16	Mylar 0.018 μF	C403	23S40657F09	Electrolytic 220 μF/10V
C325	23S40657F16	Electrolytic 4.7 μF/25V	C404	23S40657F09	Electrolytic 220 μF/10V
C326	23S40657F16	Electrolytic 4.7 μF/25V	C405	23S40657F28	Electrolytic 1 μF/50V
C327	23T42478F21	Electrolytic 0.33 μF/50V	C406	23S40657F28	Electrolytic 1 μF/50V
C328	23T42478F21	Electrolytic 0.33 μF/50V	1		
			C407	8S40656F21	Mylar 0.047 μF
C329	23T42478F21	Electrolytic 0.33 μF/50V	C408	8S40656F21	Mylar 0.047 μF
C330	23T42478F21	Electrolytic 0.33 μF/50V	C409	23S40657F27	Electrolytic 0.47 μF/50V
C331	23S40657F28	Electrolytic 1 μF/50V	C410	8S44505P61	Ceramic 10000 pF
C332	23S40657F28	Electrolytic 1 μF/50V	C501	8S44505P45	Ceramic 470 pF
C333	23S40657F28	Electrolytic 1 μF/50V			
0004	22040657520	Florida 4 - F/FO) /	C502	8S44505P45	Ceramic 470 pF
C334	23S40657F28	Electrolytic 1 μF/50V	C503	8S44505P54	Ceramic 2700 pF
C337	23S40657F10	Electrolytic 10 μF/16V	C504	8S44505P54	Ceramic 2700 pF
C338	23S40657F10	Electrolytic 10 μF/16V	C505	8S44505P45	Ceramic 470 pF
C339	8S44505P27 8S44505P27	Ceramic 39 pF	C506	8S44505P45	Ceramic 470 pF
C340	8544505F27	Ceramic 39 pF	C507	8S44505P44	Ceramic 390 pF
C341	8S44505P49	Ceramic 1000 pF	C508	8S44505P44	Ceramic 390 pF
C342	8\$44505P49	Ceramic 1000 pF	C509	8S44505P51	Ceramic 1500 pF
C343	8\$40656F10	Mylar 0.0056 µF	C510	8S44505P51	Ceramic 1500 pF
C344	8S40656F10	Mylar 0.0056 μF	C511	23S40657F16	Electrolytic 4.7 µF/25V
C345	8S40656F07	Mylar 0.0033 µF	3011	200400071 10	2.7 pt /23 v
		-	C512	23S40657F16	Electrolytic 4.7 μF/25V
C346	8S40656F07	Mylar 0.0033 μF	C513	8S40656F25	Mylar 0.1 μF
C347	8S40656F08	Mylar 0.0039 μF	C514	8S40656F25	Mylar 0.1 μF
C348	8S40656F08	Mylar 0.0039 μF	C515	8S44505F13	Mylar 0.01 μF
C349	23S40657F10	Electrolytic 10 μF/16V	C516	8S44505F13	Mylar 0.01 μF
C350	23S40657F10	Electrolytic 10 μF/16V			,
			C517	23S40657F16	Electrolytic 4.7 µF/25V
C351	23S40657F16	Electrolytic 4.7 μF/25V	C518	23S40657F16	Electrolytic 4.7 μF/25V
C352	23S40657F16	Electrolytic 4.7 μF/25V	C519	8S44505P43	Ceramic 330 pF
C353	8S40656F24	Mylar 0.082 μF	C520	8S44505P43	Ceramic 330 pF
C354	8S40656F24	Mylar 0.082 μF	C521	8S44505P35	Ceramic 82 pF
C355	23T42478F19	Electrolytic 0.15 μF/50V		ļ	
<u> </u>					

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
C522	8S44505P35	Ceramic 82 pF	Resiste	ors	•
C523	8S44505P49	Ceramic 1000 pF	R101	6S44593P75	2.7K ohm
C524	8S44505P49	Ceramic 1000 pF	R102	6S44593P75	2.7K ohm
C525	8S44505P49	Ceramic 1000 pF	R103	6S44593P61	680 ohm
C526	8S44505P49	Ceramic 1000 PF	R104	6S44593P61	680 ohm
			R105	6T51108F19	Metal Film 150 ohm 2W
C527	8S44505P37	Ceramic 100 pF	11100	0101100110	, words i iiii
C528	8S44505P37	Ceramic 100 pF	R201	6S44594P22	220K ohm
C529	8T52448F21	Polypropylene 0.0022 μ	R202	6S44594P22	220K ohm
C530	23\$40657F21	Electrolytic 100 μF/2	5V R203	6S44593P41	100 ohm
C531	8S40656F13	Mylar 0.01 μF	R204	6S44593P41	100 ohm
			R205	6S44593P89	10K ohm
C532	8S40656F07	Mylar 0.0033 μF	1 11203	0044000100	7011 51
C533	8S40656F07	Mylar 0.0033 μF	R206	6S44593P89	10K ohm
C534	8S40656F13	Mylar 0.01 μF	R207	6S44593P81	4.7K ohm
C535	23S40657F20	Electrolytic 47 μF/2	5V R208	6S44593P81	4.7K ohm
C540	23S40657F19	Electrolytic 33 μF/2	6V R209	6S44593P89	10K ohm
			R210	6S44593P89	10K ohm
C541	8S44505P45	Ceramic 470 pF	11210	0344330103	1010 011111
C542	8S44505P45	Ceramic 470 pF	R211	6S44593P89	10K ohm
C543	23S40657F18	Electrolytic 22 µF/2	5V R212	6S44593P89	10K ohm
C601	8S44505P61	Ceramic 10000 pF	R213	6S40106T14	100K ohm
C602	23S40657F28	Electrolytic 1 μF/5	0V R214	6S40106T14	100K ohm
			R215	6S44593P45	150 ohm
C603	23S40657F16	Electrolytic 4.7 μF/2	5V 11213	05445551 45	100 0
C604	23S40657F21	Electrolytic 100 μF/2	5V R216	6S44593P45	150 ohm
C605	23S40657F16	Electrolytic $4.7 \mu F/2$	5V R217	6S40106T24	270K ohm
C606	23S40657F17	Electrolytic 10 uF/2	5V R218	6S40106T24	270K ohm
C607	23S40657F28	Electrolytic 1 µF/5	0V R219	6S44593P97	22K ohm
• • • • • • • • • • • • • • • • • • • •			R220	6S44593P97	22K ohm
C608	23S40657F17	Electrolytic 10 µF/2	5V 11220	0044000107	221(31
C609	23S40657F13	Electrolytic 47 μF/1	6V R221	6S44593P65	1K ohm
C610	23S40657F13	Electrolytic 47 μF/1	6V R222	6S44593P65	1K ohm
C611	23S40657F13	Electrolytic 47 μF/1	6V R223	6S44593P95	18K ohm
C612	23S40657F10	Electrolytic $10 \mu F/1$	6V R224	6S44593P95	18K ohm
			R225	6S44593P92	13K ohm
C613	23S40657F10	Electrolytic 10 μF/1	6V 11223	0044030132	1010
C614	8S44505P61	Ceramic 10000 pF	R226	6S44593P92	13K ohm
C615	23S40657F13	Electrolytic 47 uF/1	6V R227	6S44594P38	1M ohm
C616	23S40657F09	Electrolytic 220 μF/1	0V R228	6S44594P38	1M ohm
C617	8S44505P61	Ceramic 10000 pF	R229	6S44593P73	2.2K ohm
			R230	6S44593P73	2.2K ohm
C618	8S44505P61	Ceramic 10000 pF	111200	0011000170	
C619	8S44505P61	Ceramic 10000 pF	R231	6S44593P99	27K ohm
C620	8S44505P61	Ceramic 10000 pF	R232	6S44593P57	470 ohm
C621	8S44505P61	Ceramic 10000 pF	R233	6S44593P91	12K ohm
C622	8S44505P61	Ceramic 10000 pF	R234	6S44593P91	12K ohm
			R235	6S44593P57	470 ohm
C623	8S40656F25	Mylar 0.1 μF			
C624	8S44505P61	Ceramic 10000 pF	R236	6S44593P57	470 ohm
			R237	6S44593P89	10K ohm
			R238	6S44593P89	10K ohm
ļ		1	R239	6S44594P38	1M ohm
i	1		R240	6S44594P38	1M ohm

Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
R241	6S44593P89	10K ohm	R331	6S44594P06	47K ohm
R242	6S44593P89	10K ohm	R332	6S44594P06	47K ohm
R243	6S40106T14	100K ohm	R333	6S44593P84	6.2K ohm
R244	6S40106T14	100K ohm	R334	6S44593P84	6.2K ohm
R251	6S418O1P64	470K ohm	R335	6S44594P12	82K ohm
R252	6S418O1P64	470K ohm			
D201	0044500044	100 1	R336	6S44594P12	82K ohm
R301	6S44593P41	100 ohm	R337	6S44594P38	1M ohm
R302	6S44593P41	100 ohm	R338	6S44594P38	1M ohm
R303	6S44594P14	100K ohm	R339	6S44593P82	5.1K ohm
R304	6S44594P14	100K ohm	R340	6S44593P82	5.1K ohm
R305	6S44594P08	56K ohm			
			R341	6S44593P81	4.7K ohm
R306	6S44594P08	56K ohm	R342	6S44593P81	4.7K ohm
R307	6S44593P41	100 ohm	R343	6S44593P89	10K ohm
R308	6S44593P41	100 ohm	R344	6S44593P89	10K ohm
R309	6S44594P14	100K ohm	R345	6S44594P10	68K ohm
R310	6S44594P14	100K ohm			
			R346	6S44594P10	68K ohm
R311	6S44594P06	47K ohm	R347	6S44593P50	240 ohm
R312	6S44594P06	47K ohm	R348	6S44593P50	240 ohm
R313	6S40106T24	270K ohm	R349	6S44593P87	8.2K ohm
R314	6S40106T24	270K ohm	R350	6S44593P87	8.2K ohm
R315	6S44593P71	1.8K ohm			
			R351	6S44593P49	220 ohm
R316	6S44593P71	1.8K ohm	R352	6S44593P49	220 ohm
R317	6S44593P74	2.4K ohm	R353	6S44594P08	56K ohm
R318	6S44593P74	2.4K ohm	R354	6S44594P08	56K ohm
R319	6S44594P14	100K ohm	R355	6S44593P84	6.2K ohm
R320	6S44594P14	100K ohm	5050		
5004	0044500000	5.016.1	R356	6S44593P84	6.2K ohm
R321	6S44593P83	5.6K ohm	R357	6S44594P12	82K ohm
R322	6S44593P83	5.6K ohm	R358	6S44594P12	82K ohm
R323	6S44593P93	15K ohm	R359	6S44593P65	1K ohm
R324	6S44593P93	15K ohm	R360	6S44593P65	1K ohm
R325	6S44593P82	5.1K ohm	R361	6S44593P77	3.3K ohm
R326	6S44593P82	5.1K ohm	R362	6S44593P77	3.3K ohm
R327	6S44593P47	180 ohm	R363	6S44593P82	5.1K ohm
R328	6S44593P47	180 ohm	R364	6S44593P82	5.1K ohm
R329	6S44593P41	100 ohm	R365	6S44593P87	8.2K ohm
R330	6S44593P41	100 ohm		0344393187	O.E.K Omin
D224	SCAAE02D02	5.6K ohm	R366	6S44593P87	8.2K ohm
R321	6S44593P83		R367	6S44593P87	8.2K ohm
R322	6S44593P83	5.6K ohm	R368	6S44593P87	8.2K ohm
R323	6S44593P93	15K ohm	R369	6S44594P02	33K ohm
R324	6S44593P93	15K ohm	R370	6S44594P02	33K ohm
R325	6S44593P82	5.1K ohm	3071		March Films 400 : 5 m
D.000	6044500000	E 1V -t	R371	6T51108F21	Metal Film 180 ohm 2/V
R326	6S44593P82	5.1K ohm	R372	6T51108F21	Metal Film 180 ohm 2/V
R327	6S44593P47	180 ohm	R373	6S44593P87	8.2K ohm
R328	6S44593P47	180 ohm	R374	6S44593P73	2.2K ohm
R329	6S44593P41	100 ohm	R375	6S44593P81	4.7K ohm
R330	6S44593P41	100 ohm			1

ymbol No.	Part No.	Description	Symbol No.	Part No.	Description
376	6S44593P83	5.6K ohm	R511	6S44593P99	27K ohm
l l	6S44593P83 6S44594P06	47K ohm	R512	6S44593P99	27K ohm
R377		27K ohm	R513	6S44593P99	27K ohm
R378	6S44593P99	27K onm 27K ohm	R514	6S44593P99	27K ohm
R379 R380	6S44593P99 6S44593P57	27K ohm 470 ohm	R514	6S44594P14	100K ohm
			DE10	6S44594P14	100K ohm
R381	6S44593P71	1.8K ohm	R516	1	1.2M ohm
R382	6S44593P49	220 ohm	R517	6S40106T40	· ·
R401	6S44593P53	330 ohm	R518	6S40106T40	1.2M ohm
R402	6S44593P53	330 ohm	R519	6S44593P97	22K ohm
R403	6S44593P81	4.7K ohm	R520	6S44593P97	22K ohm
R404	6S44593P81	4.7K ohm			0 16 :
- •			R521	6S44593P72	2K ohm
R405	6S44593P55	390 ohm	R522	6S44593P72	2K ohm
R406	6S44593P55	390 ohm	R523	6S44593P41	100 ohm
R406	6S44593F95	39 K ohm	R524	6S44593P41	100 ohm
R407	6S44594P04 6S44594P04	39 K ohm	R525	6S44593P89	10K ohm
	1	560 ohm	1		ļ
R409	6S44593P59	555 GMH	R526	6S44593P89	10K ohm
D.115	6044500050	560 ohm	R520	6S44593P89	10K ohm
R410	6S44593P59	560 ohm 560 ohm	R527	6S44593P89 6S44593P89	10K onm 10K ohm
R411	6S44593P59	-	1 1	6S44593P89 6S44593P97	, •
R412	6S44593P59	560 ohm	R529		22K ohm
R413	6S44593P59	560 ohm	R530	6S44593P97	22K ohm
R414	6S44593P59	560 ohm		004:222	2011
		1	R531	6S44593P97	22K ohm
R415	6S44593P37	68 ohm	R532	6S44593P97	22K ohm
R416	6S44593P37	68 ohm	R533	6T55175F17	10 ohm 1/2W
R417	6S44593P37	68 ohm	R534	6T55175F17	10 ohm 1/2W
R418	6S44593P37	68 ohm	R535	6S44593P01	2.2 ohm
R419	6S44593P73	2.2K ohm			
	=		R536	6S44593P75	2.7K ohm
R420	6S44593P73	2.2K ohm	R537	6S44593P89	10K ohm
R420	6S44593P65	1K ohm	R538	6S44593P57	470 ohm
R421	6S44593P65	1K ohm	R539	6S44593P89	10K ohm
R422	6S44593P65 6S44594P18	150K ohm	R540	6S44593P89	10K ohm
R423 R424	6S44594P18	150K ohm			
11424	00440345 10		R541	6S44593P57	470 ohm
ם אחר	6S44593P81	4.7K ohm	R542	6S44593P67	1.2K ohm
R425	6S44593P81 6S44593P81	4.7K ohm	R543	6S41801P74	1.5M ohm
R426		3.3K ohm	R544	6S41801P74	1.5M ohm
R427	6S44593P77	3.3K ohm	R601	6S44593P77	3.3K ohm
R428	6S44593P77	3.3K onm 390 ohm	nou!	30-1-1000F / /	O,OK OHIII
R429	6S44593P55	ספט טווווז		6S44593P89	10K ohm
	001177	201/	R602	i	10K ohm 22K ohm
R501	6S44594P01	30K ohm	R603	6S44593P97	_ ·
R502	6S44594P01	30K ohm	R604	6S44593P89	10K ohm
R503	6S44593P99	27K ohm	R605	6S44593P89	10K ohm
R504	1	27K ohm	R606	6S44593P89	10K ohm
R505	1	39K ohm		6044500505	101/ -1
			R607	6S44593P89	10K ohm
R506	6S44594P04	39K ohm	R608	6S44593P89	10K ohm
R507		270K ohm	R609	6S44593P81	4.7K ohm
R508	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	270K ohm	R610	6S44593P89	10K ohm
R509		56K ohm	R611	6S44593P97	22K ohm
R510		56K ohm			
Lanu	30773071 00				

Symbol No.	Part No.	Description
R612	6S44593P97	22K ohm
R613	6S44594P06	47K ohm
R614	6S44593P81	4.7K ohm
R615	6S44593P89	10K ohm
R616	6S44593P89	10K ohm
		1
R617	6S44593P89	10K ohm
R618	6S44593P89	10K ohm
R619	6S44593P87	8.2K ohm
R620	6S44593P73	2.2K ohm
R621	6S44593P97	22K ohm
1.02	0044555157	221(01111)
R622	6S44593P97	22K ohm
R623	6S44593P97	22K 0hm
R624	6S44593P97	22K ohm
R625	6S44593P97	
R626	1	22K ohm
H026	6S44593P97	22K ohm
0007	CC44504D00	0014
R627	6S44594P02	33K ohm
R628	6S44593P93	15K ohm
R629	6S44594P02	33K öhm
R630	6S44593P59	560 ohm
R631	6S44593P73	2.2K ohm
R632	6S44593P73	2.2K ohm
R633	6S44593P59	560 ohm
R634	6S44593P59	560 ohm
R635	6S44593P73	2.2K ohm
R636	6S44593P89	10K ohm
1,000	0044000100	TOK OMM
R637	6S44593P89	10K ohm
R638	6S44593P47	180 ohm
R639	6S44594P14	100K ohm
R640	6S44593P97	22K ohm
R641	6S44593P91	12K ohm
R642	6S44593P85	6.8K ohm
R643	6S44593P89	10K ohm
R644	6S44593P93	15K ohm
R645	6S44593P77	3.3K ohm
R646	6S44593P93	15K ohm
R647	6S44593P81	4.7K ohm
R648	6S44594P06	47K ohm
R649	6S44593P45	150 ohm
R650	6S44594P02	33K ohm
R651	6S44594P04	39 K ohm
R652	6S44593P77	3.3K ohm
	,	

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Symbo No.	Part No.	Description
Plat	e, Jacks & Induct	ors
J201 J202 J203 J401 J601	9T50231F02 9T55174F02 9T55174F02 9T55174F12 9T50261F01 24T47741F01	Plate, Phone 4P Jack, Microphone (6.5) Jack, Microphone (6.5) Jack, Headphone (6.5) Jack, DIN 8P (REMOTE) Inductor 36 mH
L302 L501 L502 L503 L504	24T47741F01 24S41449F02 24S41449F02 24T44499P01 24T44499P01	Inductor 36 mH Inductor, Radial 6800 μH Inductor, Radial 6800 μH Inductor 27 mH Inductor 27 mH
Tran	sformer Variable	Resistors & Switches
T501	25T52944F01	T
VR201 VR202 VR401 VR402 VR501 VR502 VR503 VR504 VR505 VR506 VR508 S201 S202 S203 S301 S302 S303	18T52946F17 18T52946F05 18T52946F05 18T52946F15 18T52946F15 18T52946F19 18T52946F19 18B44064J07 18B44064J07 18T52946F09	Trans, O.S.C. Variable 47K ohm Variable 47K ohm Variable 470 ohm Variable 22K ohm Variable 22K ohm Variable 100K ohm Variable 100K ohm Variable 100K ohm Variable 22K ohm Variable 22K ohm Variable 22K ohm Variable 22K ohm Variable 100K ohm Variable 22K ohm Variable 100K ohm Variable 100K ohm 1/2W Variable 2.2K ohm
	Miscellar	neous Parts
HD201	F029-090	Assembly, Recording/-
HD501 LD301 LD302 LD601	F030-052 48T45250F01 48T45249F01 48T51833F03	Playback Head Assembly, Erase Head LED AY4632K (YEL) LED PG4632KX (GRN) LED BG4524K (GRN)

			· · · · · · · · · · · · · · · · · · ·		
Symbol No.	Part No.	Description	Symbol No.	Part No.	Description
LD602 LD603 LM401		LED PY4524K (YEL) LED PR4524K (RED) Meter, Optical			
M601 ●P101 ■P101	F064-074 28T43812P02 28T40916U01	(Included. PL102) Assembly, Motor Plug, AC Cord Plug, AC Cord			
PL101 PL103 SD601 SD602 SD603	65T50260F01 F024-036 PBC16062	Lamp, Pilot 14V — 50 mA Lamp, Pilot Solenoid, Play Solenoid, REW Solenoid, F.F.			
• \$101 • \$101 • \$102 \$601 \$602 \$603	40T45561F02 40T47454F01 40T40705T01 FE173-11 FE173-11 40T47104F01	Switch, Power Switch, Power Switch, Voltage Select Switch, Slide (PACK INDET) Switch, Slide (REC INH) Switch, Function (REED)			
\$609 \$610 \$611 \$612 \$613	40T44505F01 40T44505F01 40T44505F01 40T44505F01 40T44505F01	Switch, Function (PLAY) Switch, Function (STOP) Switch Function (F.F.) Switch, Function (REW) Switch, Function (PAUSE)			
\$614 \$615	40T44505F01 40T44505F01	Switch Function (REC) Switch Function (REC, MUTE)			
•T101 •T101 VR20	25T52676F01 25T53364F01 3 18T52629F01	Trans, Power Trans, Power Volume, Slide S60B2PA 20K ohm (REC LEVEL)			
VR50	18T52943F01	Volume, Rotary (BIAS)			

- •: For multi-voltage model only.
- ■: For single-voltage model only.

Cabinet Assembly Parts List

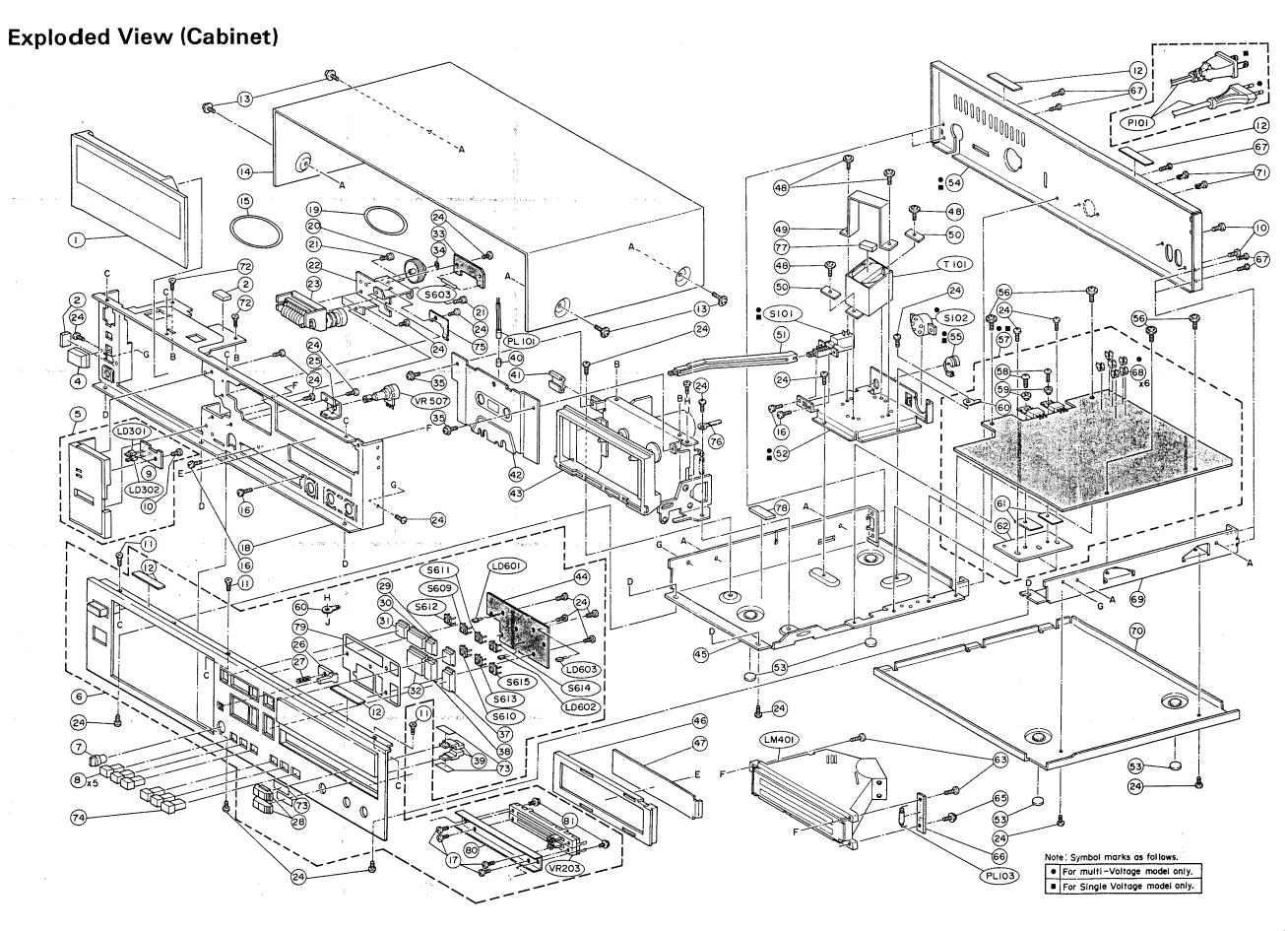
Symbol No.	Index	Part No.	Description
1	2-A	1V56300F02	Assembly, Door
2		75A42565P15	Cushion, Rubber
4	3-A	36A45460F03	Knob, Power
5	3-A	1V53900F32	Assembly, Counter
ļ '	3		Escutcheon
Ī			
6		1V53900F39	Assembly, Front Panel
7	1	36A47129F03	Knob, Bias
8	5-A	36A52480F03 **	Knob, Push
9	3-A		Panel, LED
10		3S40012G41	Screw, Pan. (M3 x 8)
11		3S40012G26	Screw, Flat (M3 x 6)
12		75B44632G04	Pad, Cushion
13		3S40036U15	Screw, W/Washer (M4 x 8)
	1-B	15D52460F01	Cover, Top
15	2-B		Belt, Counter
	1		
16		3C40014G04	Screw, W/Washer (M3 x 6)
17	3-B	3C40014G12	Screw, W/Washer (M2.6 x 4)
18	4-B	*	Chassis, Front
19	2-B	1	Belt, Counter
20	2-B	49A52624F01	Pulley, Counter
21		3C40014G09	Screw, W/Washer (M3 x 5)
22	2-B	*	Bracket, Counter
23	1	72T52627F01	Counter, Tape
24		3S40012G03	Screw, Round (M3 x 6)
25	ı	**	Bracket, Bias Volume
1	i		
	4-B		Knob, Counter
	4-B	Į.	Spring, Push
28	1 .		Knob, Rec Level Volume
29			Knob, F.F.
30	4-C	36A52472F01	Knob, Play
31	4-C	36A52474F01	Knob, Rew
32	4-C	36A52476F01	Knob, Stop
33	1		Panel, Reed Switch
34	2-C	4A41345P02	Washer, Lock (M1.7)
35		3S40036U03	Screw, Pan. (M3 x 6)
36	4-C	36A52475F01	Knob, Rec
37		36A52478F01	Knob, Rec Mute
38		36A52477F01	Knob, Pause
39		43A52485F01	Spacer, Knob
40	i	43A41728U09	Bush, Lamp
11	3-D	43A51937F01	Spacer, Eject
	3-D		Assembly, Dust Cover
	3-D		Deck, Cassette (FL87E01A)
	4-D	*	Panel, Key Board
	4-E	*	Chassis, Bottom

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Symbo No.	Index	Part No.	Description
	5-E	7B52483F01	Frame, Meter
47	5-E	34A52482F01	Scale, Meter
48		3S40036U07	Screw, Pan. (M4 x 12)
	2-E	*	Support, Trans (U)
50		7A40871F01	Support, Trans Washer
51	2-E	45B50395F01	Lever, Power Switch
• 52	3-E	*	Bracket, Trans
= 52		7B45445F02	Bracket, Trans
53		75A44348F01	Pad, Felt
• 54	1-F	15C52461F01	Cover, Rear
■ 54		15C52461F02	Cover, Rear
1	2-F	43B41625J02	Support, Cord
= 55		43B41625J01	Support, Cord
56	1	3C42723U01	Screw, Cup (M3 x 6)
● 57	2-F	1V53900F34	Assembly, Master Board
= 57		1V56900F06	Assembly, Master Board
58	2-G	3A43146G01	Screw, Truss (M2 × 6)
1	3-F	l .	Spacer, Transistor
60	:	29A41814G01	Lug
61	3-F	14A40472G02	Insulator, Transistor
62	3-F	*	Bracket, Heat Sink
63	5-G	3S44205G08	Screw, Pan (M3 x 12)
65	5-G	3S40018G01	Screw, Pan (M3 x 6)
66	5-G	84D52630F04	Panel, Lamp
67		3S44205G40	Screw, Bind (M3 x 4)
● 68	2-G	9T45548F01	Holder, Fuse
69	4-G	*	Chassis, Side
	4-G		Cover, Bottom
	l .	5B41635J02	Rivet, Push
72		3S44205G16	Screw, Flat (M3 x 6)
73	l .	75B44632G17	Pad, Cushion
74	5-A	36A52480F02	Knob, Push
	2-C	41A56247F01	Spring, Knob
j .	3-E	29C41045P02	Lug, Wrap Alound
77	1	75A42565P16	Cushion, Rubber
78	1	75A42565P14	Cushion
79		26A56263F01	Shield, Static
80		7A52465F01	Bkt., Slide VR
81		3S40018G02	Screw, Pan (M3 x 8)
		-	

^{*} Parts without part number are not supplied.

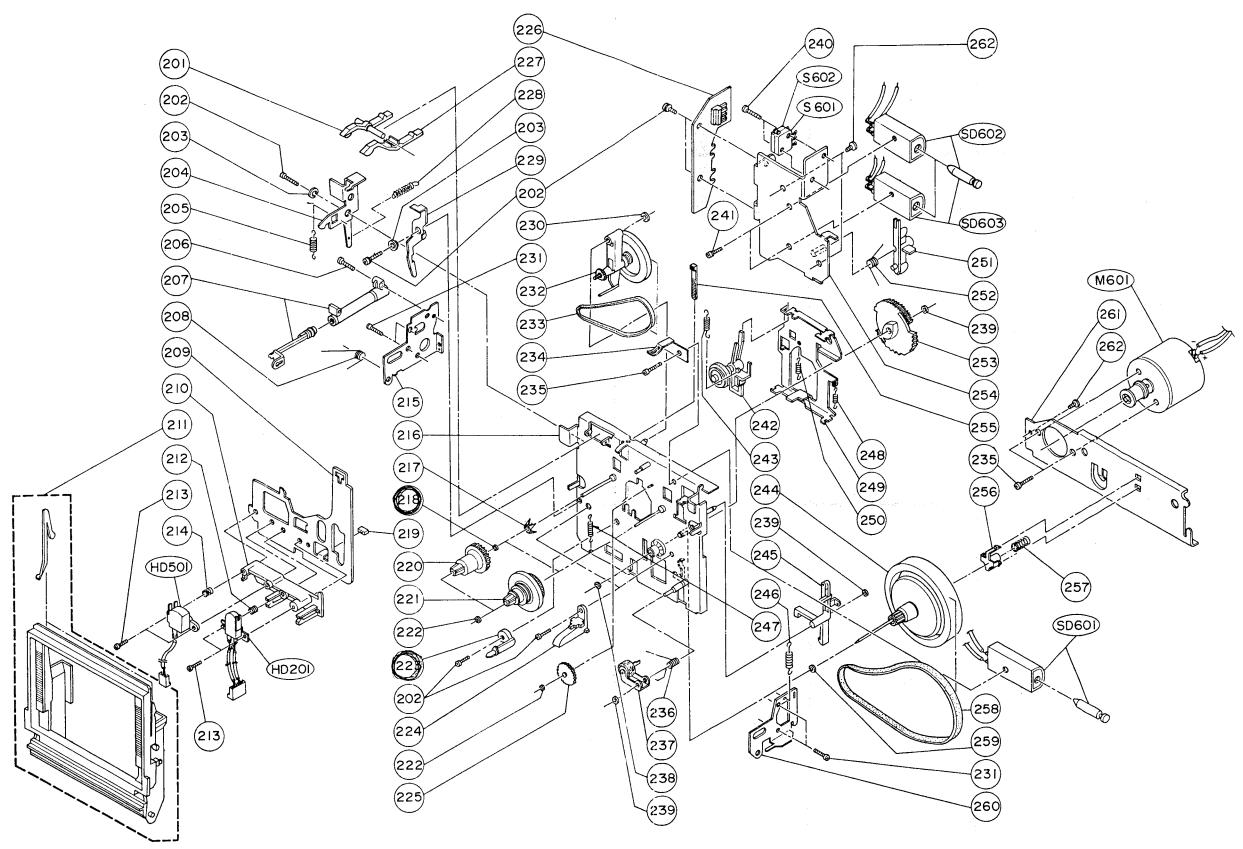
^{•:} For multi-voltage model only.

^{■:} For single-voltage model only.



AL-55 AL 55

Exploded View (Cassette Deck)



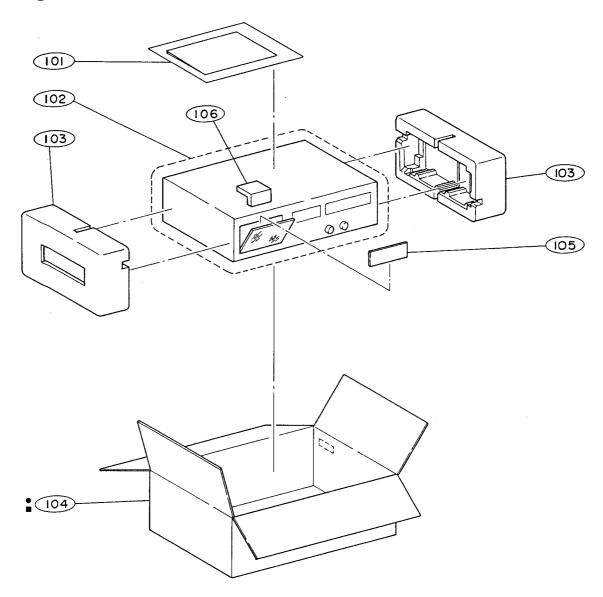
Cassette Deck Assembly Parts List

Symbol No.	Index	Part No.	Description
201 202	1-B	FD17T-12 KG194-12	Arm, Record Scerew, Tap Tite (M3 x 6)
203 204 205	2-B 2-B	FM296-11 FC11H-12 FK573-11	Spacer Arm, Lock Eject Spring, Arm Lock
206 207 208 209 210	2-B 2-B 2-B 3-B 3-B	UG11D-11 FP472-11 FK-568-11 ** FM283-13	Screw, Tap Tite Assembly, Dumper Spring, Door Base, Head Spacer, Head
211 212 213 214 215	3-B 3-B 4-B 3-C	F027-064 FK572-11 FG137-15 FK572-12	Frame, Door Spring, Azimuth Screw, F-Lock (M2) Spring, Azimuth Bracket, Dumper
216 217 218 219 220	3-C 3-C 3-C 4-C 4-C	FJ111-19 FP464-11	Assembly, Chassis Spring, Back Tension Slider, Polyester (M2) Pad, Cushion Assembly, Supply Reel
221 222 223 224 225	4-C 5-C	FJ123-14 FR358-12 FR360-12	Assembly, Take-up Reel Washer, Lock (M1.7) Reference, Guide Guide, Cassette Gear, Idler
226 227 228 229 230	1-D 1-D 2-D		Assembly, Connector Panel Arm, Switch Brake Arm Spring Lever, Safety Washer, Lock (M3.5)
231 232 233 234 235	2-D 2-D 3-D	FP463-11	Screw, Machine (M3 x 5) Assembly, Clutch Belt, Sub Spring, Cassette Screw, Washer
236 237 238 239 240	5-E 5-E	F014-053 FJ141-12 FJ123-21	Spring, Pinch Roller Assembly, Pinch Roller Shield, Oil Washer, Lock (M2.6) Screw, Machine (M2.6)

Symbo No.	Index	Part No.	Description
241 242 243 244 245	3-E 3-E	FG143-17 FP469-12 FK575-11 FP467-11 FR359-12	Screw, Machine (M2.6 x 3) Assembly, Idler Spring, Play Idler Assembly, Flywheel Arm, Play Solenoid
	4-E 3-F 3-F	FK578-13	Spring, Play Solenoid Arm Spring, Head Base Push Spring, Assist Base Base, Assist Spring, Head Base
251 252 253 254 255	2-G 3-G 3-G	FK570-12	Arm, FF Solenoid Spring, Solenoid Bracket Gear, Play Assembly, Solenoid Bracket Band, Connector
257		FK11F-16 FP462-11	Spacer, Flywheel Thrust, Spring Belt, Main Slider, Polyester (M2.1 × 0.5) Bracket, Door
261 262	2-G	* KG194-46	Bracket, Motor Screw, Tap, Tite (M3 x 4)

^{*} Parts without part number are not supplied.

Packing Method View



Packing Assembly Parts List

Symbol No.	Part No.	Description
101	1V53900F44	Assembly, Pamphlet
101-1	28T44352F01	Plug, Output Cord
101-2	*	Sack, Polyethylene
101-3	68P52551F15	Manual, Owner's (AL-55)
102	56B40230G23	Sack, Polyethylene
103	56C44350F01	Tray, Packing
• 104	56C50570F28	Carton, Packing
■ 104	56C50570F29	Carton, Packing
105	15A41885U01	Cover, Door
106	56A56430F01	Tray, Packing (DOOR)

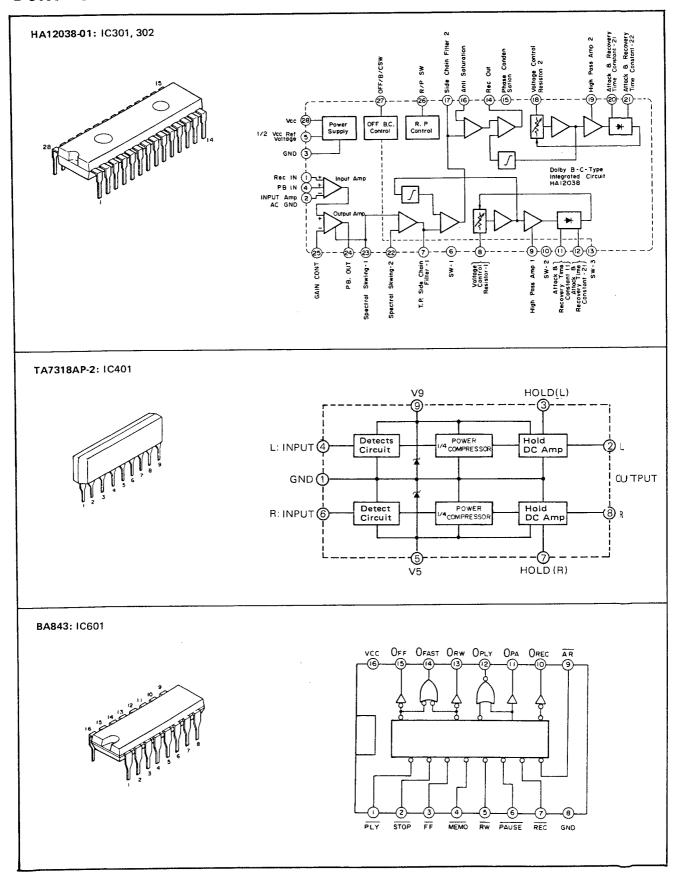
Symbol No.	Part No.	Description

^{*} Parts without part number are not supplied.

[•] For multi-voltage model only

[■] For single-voltage model only

Semi-Conductor Lead Identifications



2SD880: Q101, 102, 508, 509

Q205, 206, 303, 405, 406, 602, 603, 605, 606, 607, Q609, 611, 612, 616, 617, 618, 619, 620, 621, 622, 2SD636:

Q623

2SB788: Q604 2SC1980: Q201, 202, 203, 204, 505, 506

2SC1890: Q201, 202, 203, 204, 505, 506

2SC1815: Q205, 206, 303, 405, 406, 602, 603, 605, 606, 607,

Q609, 611, 612, 616, 617, 618, 619, 620, 621, 622,

2SC945: Q205, 206, 303, 405, 406, 602, 603, 605, 606, 607, Q609, 611, 612, 616, 617, 618, 619, 620, 621, 622,

Q623

2SC732: Q207, 208, 209, 210, 301, 302, 503, 504 2SC900: Q207, 208, 209, 210, 301, 302, 503, 504

2SC1842: Q207, 208, 209, 210, 301, 302, 503, 504 2SC1843: Q207, 208, 209, 210, 301, 302, 503, 504

2SC2263: Q211, 212 2SC2878: Q401, 404, 501, 502 2SC1318: Q403, 404, 507, 508, 613, 614, 615

Q403, 404, 613, 614, 615 2SC509:

2SA733: Q601, 608, 610

2SA921: Q604



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